Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

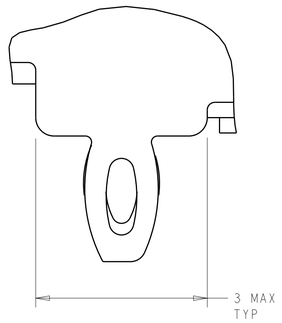
Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

LOC	DIST
GP	00

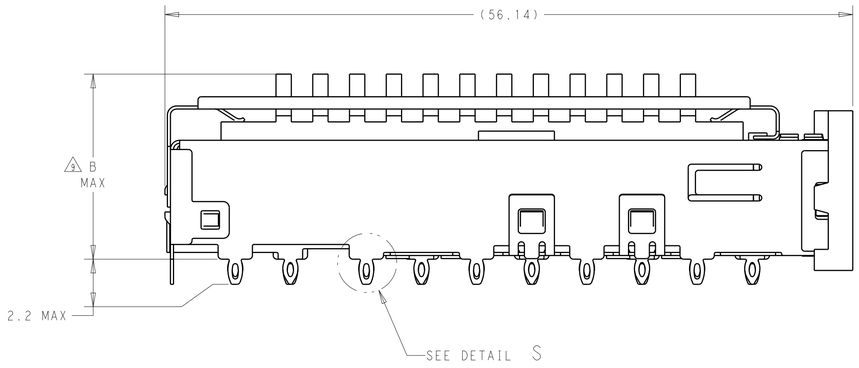
REVISIONS

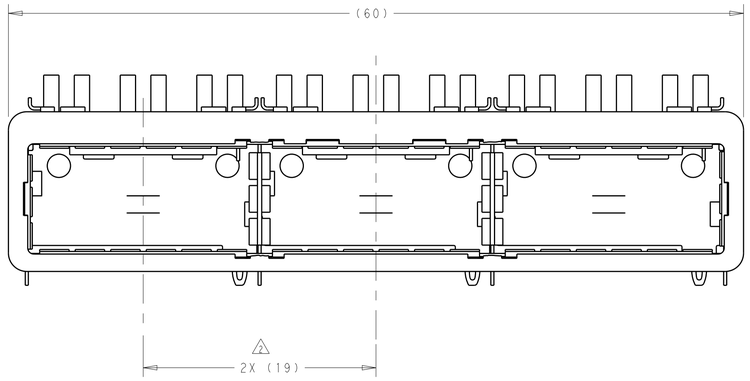
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	RELEASED PER ECO-13-000076	16JAN2013	CJV	EDB

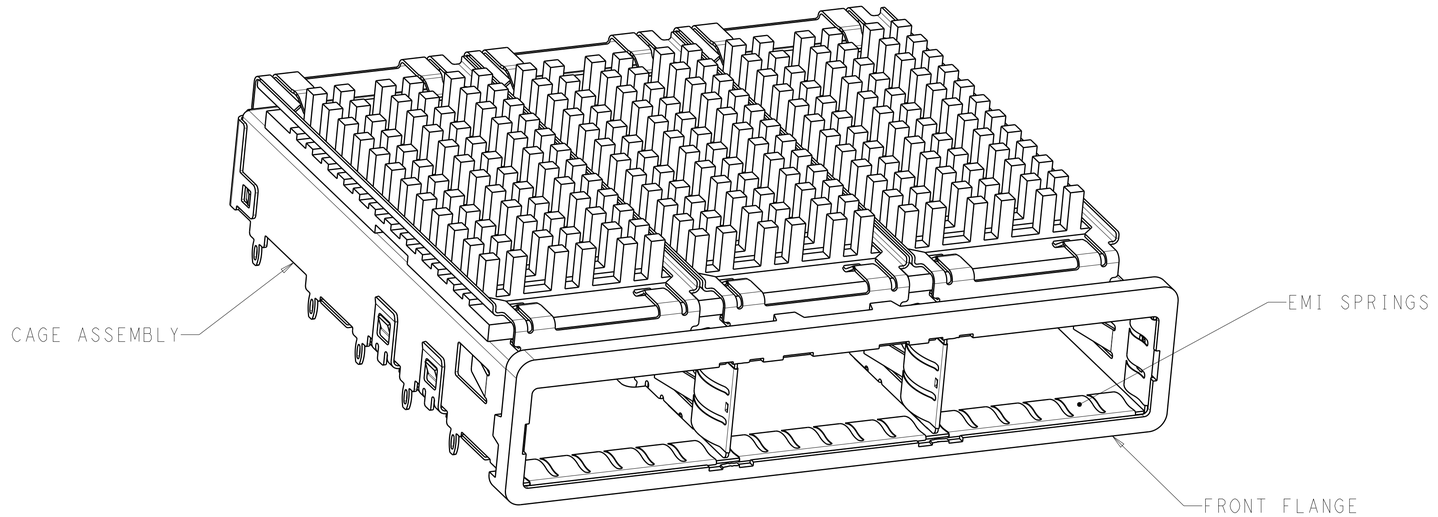


DETAIL S (12)
SCALE 20:1

1. MATERIALS:
   CAGE ASSEMBLY: NICKEL SILVER, 0.25 THICK
   EMI SPRINGS: COPPER ALLOY
   FRONT FLANGE: ZINC ALLOY
   HEAT SINK: ALUMINUM
   HEAT SINK CLIP: STAINLESS STEEL
2. PITCH BETWEEN PORTS OF ONE 1X3 CAGE ASSEMBLY.
3. SPACING BETWEEN CAGES ON THE SAME PC BOARD, TO BE SPECIFIED BY CUSTOMER, MUST COMPLY WITH MINIMUM DIMENSIONS SHOWN.
4. REFERENCE APPLICATION SPEC 114-_____ FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
5. DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
6. DIMENSION C IS THE NOMINAL THICKNESS OF CUSTOMER SUPPLIED PC BOARD.
   MINIMUM SINGLE SIDED PC BOARD THICKNESS: 1.45mm
   MINIMUM DOUBLE SIDED PC BOARD THICKNESS: 2.2mm PER QSFP
7. HEAT SINKS AND CLIPS SHIPPED ASSEMBLED TO CAGE ASSEMBLY.
   CAGE ASSEMBLY MAY BE PRESSED INTO THE PCB AS SHIPPED.
8. DATUM A IS TOP SURFACE OF PC BOARD.
9. DIMENSION APPLIES WITH MODULE INSERTED IN CAGE.
10. UNPLATED THRU HOLE.
11. MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER.
12. SURFACE TRACES PERMITTED WITHIN THIS AREA EXCEPT WHERE CAGE STANDOFFS, SHOWN IN DETAIL S, CONTACT PC BOARD.
13. BASELINE FOR THESE DIMENSIONS IS THE CENTER OF COMPLIANT PIN HOLE.
14. DATE CODE (YYWWD) MARKED ON TOP OF CAGE AND CONCEALED BY HEAT SINKS APPLIES TO CAGE ASSEMBLY ONLY.
15. REFERENCE APP SPEC 114-_____ FOR GASKET THICKNESS CALCULATION.
16. FINISH:
    EMI SPRINGS: 2µm MINIMUM TIN
    FRONT FLANGE: 3µm MINIMUM TIN OVER 1.27µm MINIMUM NICKEL OVER 5.08µm MINIMUM COPPER
    HEAT SINK: NICKEL.







23.0	NETWORKING	2173239-3
16.0	SAN	2173239-2
13.7	PCI	2173239-1
B	HEAT SINK PROFILE	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.1
2 PLC ±0.1
3 PLC ±0.013
4 PLC ±0.0001
ANGLES ±-

MATERIAL (1)
FINISH (16)

DWN J.V.D.HEIJDEN 12AUG2011
CHK R.VERBEET 12AUG2011
APVD T.D.ROER 15AUG2011
PRODUCT SPEC 108-_____
APPLICATION SPEC 114-_____
WEIGHT -

TE Connectivity

NAME 1X3 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, zQSFP+
-

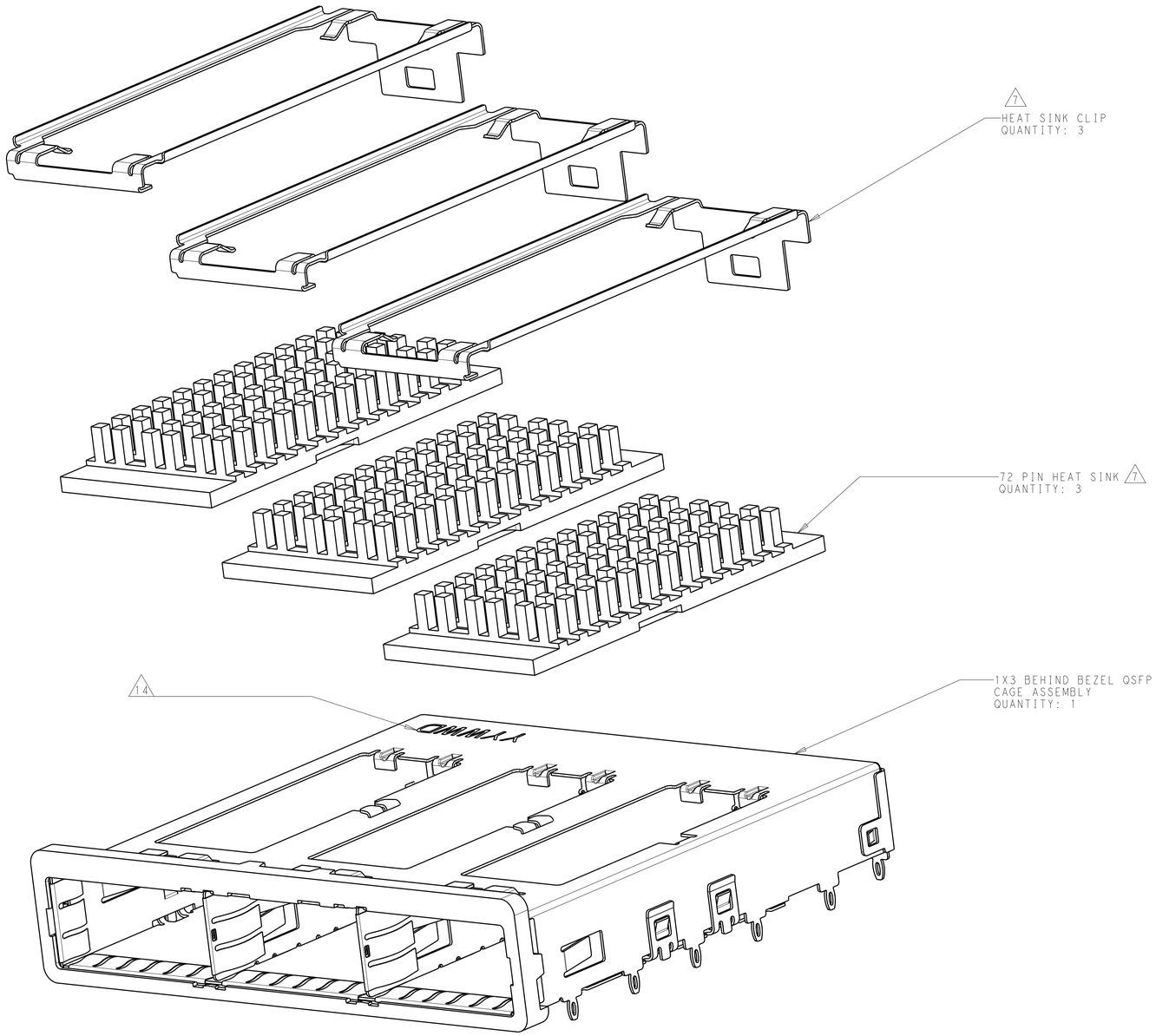
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2173239	-

CUSTOMER DRAWING | SCALE 1:1 | SHEET 1 OF 5 | REV A

LOC	DIST
GP	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



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DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009.

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0 PLC	±
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2 PLC	±0.1
3 PLC	±0.013
4 PLC	±0.0001
ANGLES	±

MATERIAL

FINISH

DWN	J.V.D.HEIJDEN 12AUG2011
CHK	R.VERBEET 12AUG2011
APVD	T.D.BOER 15AUG2011
PRODUCT SPEC	108-_____
APPLICATION SPEC	114-_____
WEIGHT	-

TE Connectivity

NAME 1X3 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, zQSFP+
-

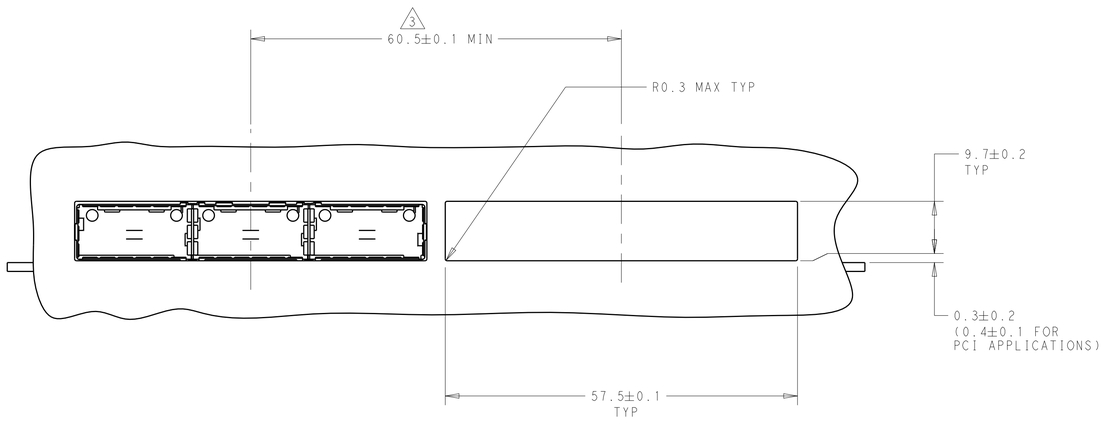
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2173239	-

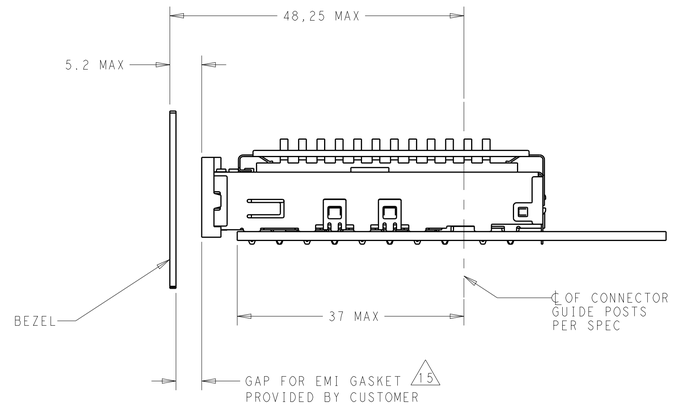
CUSTOMER DRAWING | SCALE 1:1 | SHEET 2 OF 5 | REV A

LOC	DIST
GP	00

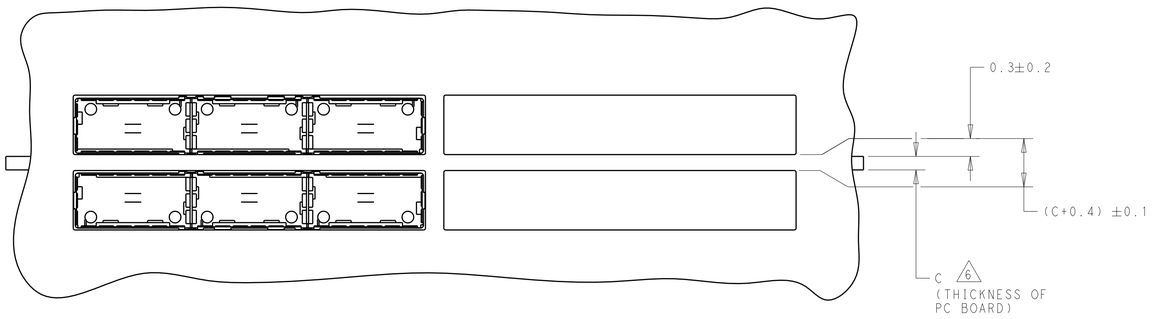
REVISIONS

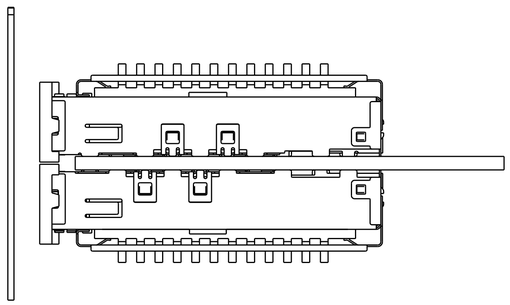
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-





ONE SIDED CONFIGURATION
SCALE 2:1





BELLY TO BELLY CONFIGURATION SIMILAR
TO ONE SIDED EXCEPT WHERE NOTED
SCALE 2:1

THIS DRAWING IS A CONTROLLED DOCUMENT.
DIMENSIONING AND TOLERANCING
PER ASME Y14.5M-2009

DIMENSIONS: mm

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0 PLC	±
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4 PLC	±0.0001
ANGLES	±

MATERIAL

FINISH

DWN J.V.D.HEIJDEN 12AUG2011
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TE Connectivity

NAME 1X3 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, zOSFP+
-

PRODUCT SPEC 108-____
APPLICATION SPEC 114-_____
WEIGHT -

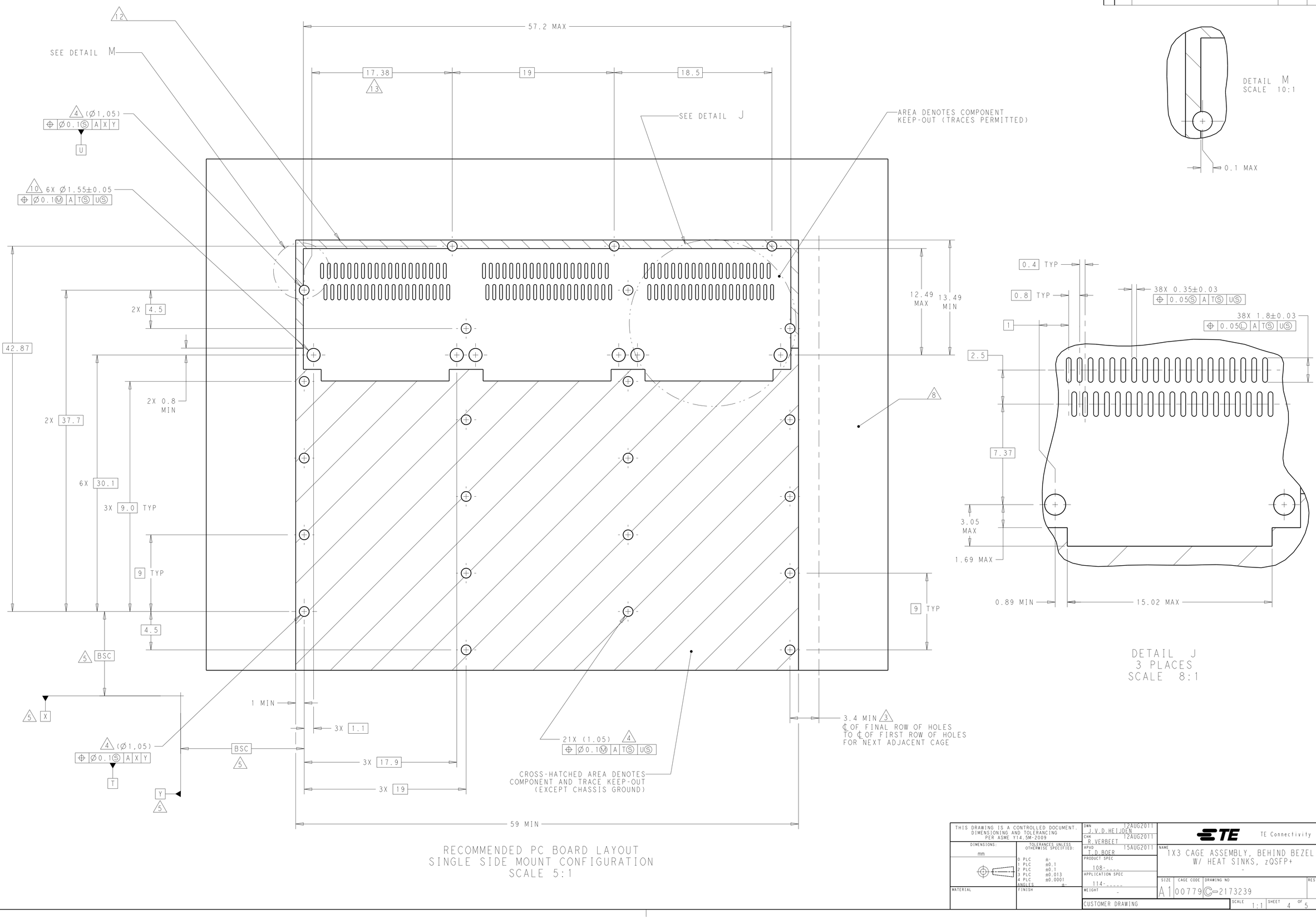
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2173239	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 3 OF 5 | REV A

LOC	DIST
GP	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



RECOMMENDED PC BOARD LAYOUT
SINGLE SIDE MOUNT CONFIGURATION
SCALE 5:1

DETAIL M
SCALE 10:1

DETAIL J
3 PLACES
SCALE 8:1

THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009

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0 PLC ±-
1 PLC ±0.1
2 PLC ±0.1
3 PLC ±0.013
4 PLC ±0.0001
ANGLES ±-

MATERIAL
FINISH

DWN J.V.D.HEIJDEN 12AUG2011
CHK R.VERBEET 12AUG2011
APVD T.D.ROER 15AUG2011
PRODUCT SPEC 108-_____
APPLICATION SPEC 114-_____
WEIGHT -

TE Connectivity

NAME 1X3 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, zOSFP+
-

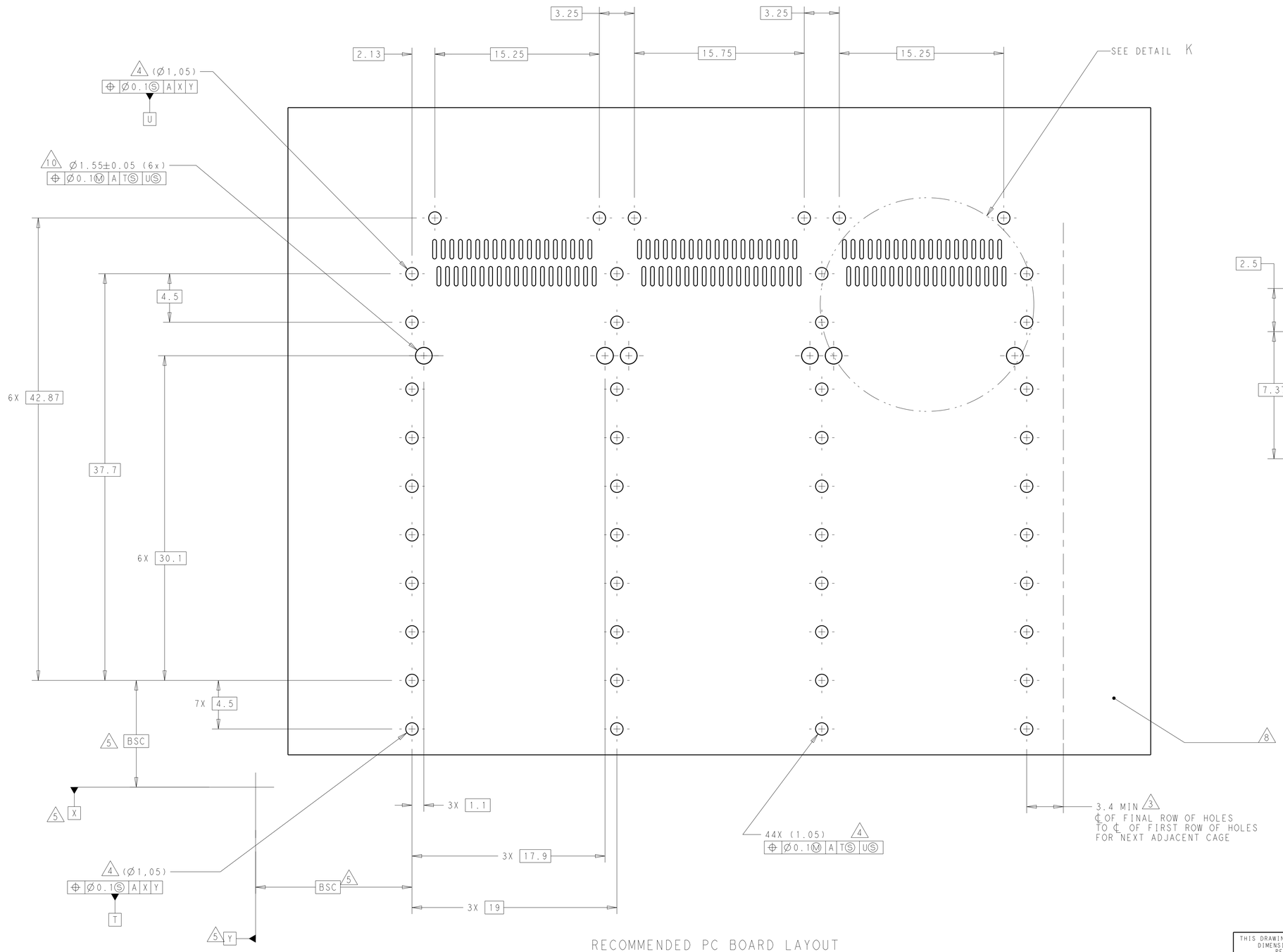
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2173239	-

CUSTOMER DRAWING | SCALE 1:1 | SHEET 4 OF 5 | REV A

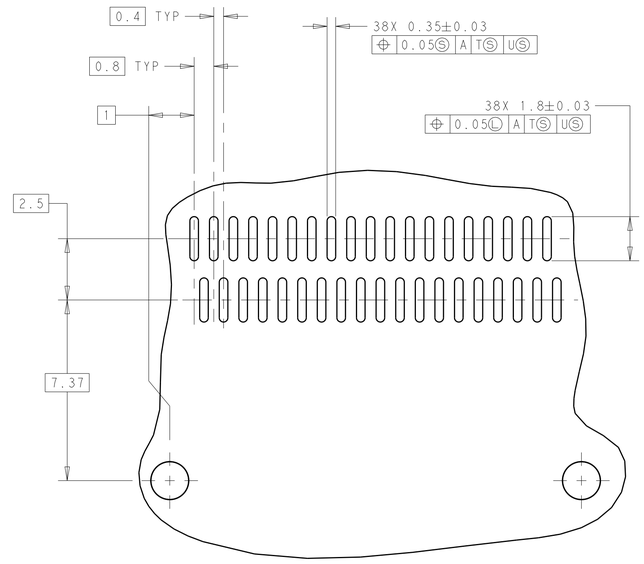
LOC	DIST
GP	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



RECOMMENDED PC BOARD LAYOUT
BELLY TO BELLY CONFIGURATION
SEE SHEET 4 FOR COMPONENT
AND TRACE KEEP-OUTS
SCALE 5:1



DETAIL K
3 PLACES
SCALE 8:1

THIS DRAWING IS A CONTROLLED DOCUMENT.
DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009

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4 PLC ±0.0001
ANGLES ±-

MATERIAL
FINISH

DWN J.V.D.HEIJDEN 12AUG2011
CHK R.VERBEET 12AUG2011
APVD T.D.BOER 15AUG2011
PRODUCT SPEC 108-----
APPLICATION SPEC 114-----
WEIGHT -

TE Connectivity

NAME 1X3 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, zOSFP+
-

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2173239	-

CUSTOMER DRAWING | SCALE 1:1 | SHEET 5 OF 5 | REV A